

November 6, 2015

MEMORANDUM FOR: Distribution Email

FROM: Christine Caruso Magee  
Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for  
CPC, OPC, and WPC

The following accelerated items were implemented this past week:

None

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The following will be implemented the week of November 9, 2015:

RFC #493 – Update the ‘get\_facebook\_rss.pl’ script to use Facebook’s “Graph API” to obtain OPC’s page feed. This info is used on the OPC website’s “Top News” headlines. This update is required because Facebook modified the format of the source file and how it’s retrieved. To be implemented on November 9 at 1230Z. (OPC)

RFC #494 – The ‘make\_send\_xml.pl’ script was modified to replace the “Default” layer name with the activityType in single layered xml. This improves the Ice Edge and Gulf Stream in AWIPS II. To be implemented on November 9 at 1330Z. (OPC)

RFC #495 - The ‘launch\_reg\_seastate.csh’ script was modified to use the satellite sectors in the supplemental director, which have better projections. The ‘nts’ table files that control the positions of labels and logos were modified to fit the new gif images. To be implemented on November 10 at 1200Z. (OPC)

RFC #496 - Install new perl script ‘ftp\_webalizer.pl’ on the IDP and add a crontab entry to run it once a day. This script allows OPC to monitor usage of their ftp server. To be implemented on November 10 at 1400Z. (OPC)

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The following will be implemented the week of November 16, 2015:

RFC #492 – Metwatch GUI – Implement changes to WPC’s MPD (Mesoscale Precipitation Discussion) GUI to allow inclusion of satellite imagery in WPC MPDs for CONUS West Coast Atmospheric River events. To be implemented on November 16 at 1200Z. (WPC)

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The following CPC OPC WPC RFC(s) are in progress:

RFC #480 – Turn on and modify Compute Farm Winter Weather scripts. The first set of scripts call RAP13 data and then processes ptype and frozen precip estimation used to verify Day 4-7 WPC snow/ice outlooks. The second set of scripts accesses NOHRSC (National Operational Hydrologic Remote Sensing Center) snow/ice data which is used for WWE (Winter Weather Experiment) verification. Modification to the scripts entails changing threshold values and increasing the temporal resolution of the data pull. Implementation began on October 26 at 1600Z and should be completed by 2200Z on November 6. (WPC)

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The following NCO RFCs to be implemented the week of November 9, 2015 may affect CPC, OPC, and/or WPC:

RFC #1448 – Old (non-production) versions of source code in /nwprod and /nwprod2 on WCOSS will be removed. This is being done to free up disk space on WCOSS. To be implemented on November 9 at 1200Z.

RFC #1450 - Mount /common/data/apps/nwstg/public/ to OPC's IDP machines. This mount point will provide meteorological data that OPC needs for N-AWIPS migration. To be implemented on November 9 at 1600Z.

RFC #1451 - Install GnuPlot on several OPC servers. OPC will use GnuPlot to display differences in wave height and wind speed between 2 datasets from the same satellite/sensor (SARAL (Satellite with ARGOS and ALtiKa)) and the same time/location, but which followed different processing paths from the satellite ALtiKa sensor to reach OPC. To be implemented on November 9 at 1600Z.

RFC #1458 – WCOSS Dataflow v1.73.0 – NCO's SPA and Dataflow teams will make changes to WCOSS in preparation for CPC making a file name change to their RCDAS data. The changes will run 1 week in parallel and move permanently on the 17th. To be implemented in parallel on November 10 at 1300Z.

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The following NCO RFC(s) are in progress and may affect the local Centers:

RFC #1424 – NCOSRV Dataflow v2.13.0, WCOSS Dataflow v1.72.0 - The DBNet software on NCOSRV and WCOSS is being modified to begin sending parallel versions of the EKDMOS, GFS MOS, RTMA, URMA, and the new National Blend of Models (NBM) to the parallel NOMADS site in preparation for the upcoming NMB evaluation. Implementation began on November 2 at 1300Z and should be completed by November 10.

RFC #1435 – GPFS v4.1 (on Tide) - Enhance the existing WCOSS - Tide phase-1 and phase-2 storage solution by adding metadata-only GPFS NSD servers and changing the existing data-and-metadata NSD to data-only servers. Existing data will be "restriped" to separate the data and metadata. Implementation began on November 4 at 1200Z and should be completed by December 4. NCO/IDSB will send notification to users via the WCOSS-announce mailing list should planned work be impactful to users

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The following NCO RFC(s), which may affect the local Centers, was approved with an implementation date TBD:

RFC #1357 – RTOFS global v1.1.0 – Major upgrade of the Global RTOFS model. See the TIN at: <http://www.nws.noaa.gov/os/notification/tin15-36global-rtofsaaa.htm> for details. This was advertised as having an October 6 implementation date but this implementation is being postponed due to a delay in the Navy's HYCOM model upgrade. Once the HYCOM upgrade is implemented, the Global RTOFS will be scheduled for implementation. Notification will be given in advance so users may prepare for any changes which may affect them. This upgrade of the Global RTOFS was approved by the NCEP Director.

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The following NCO RFC(s), which may affect the local Centers, are on hold:

RFC #1320 – Himawari v1.2 – Himawari was to be declared operational on IDP effective November 3 at 1200Z. There is a recurring outage that is seen every Saturday on NESDIS's source server in College Park. This server provides Himawari data to NCO, so the outage's cause must be mitigated before Himawari may be declared operational on IDP

RFC #1370 – GEFS v11.0.3 – Major GEFS upgrade. See the TIN at: <http://www.nws.noaa.gov/os/notification/tin15-43gefsaab.htm> for specifics. This was scheduled for an October 14 implementation and was conditionally approved at the October 8 NCO CCB, but it was not approved by the NCEP Director at the October 9 briefing. The NCEP Director will be briefed the week of November 9. If he approves, the GEFS implementation date will then be set for a date after November 26.

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Please note that security-related RFCs are never listed in the RFC memo.

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#### ---- OPERATIONAL ANNOUNCEMENTS ----

1. The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.